

NOAA RESEARCH - FY 2003 CONGRESSIONAL ACTION

(IN THOUSANDS OF DOLLARS)

Operations, Research, & Facilities (OR&F)	FY 2001 Enacted	FY 2002 Enacted	FY 2003 Base	FY 2003 Program Changes (above base)	FY 2003 Cngr. Request	FY 2003 Senate Action	FY 2003 Conf. Action (w .65%Resc.)	'03 Conf. less '03 Request	'03 Conf. less '02 Enacted
Subactivity									
Line Item									
Program									
Climate Research	133,721	150,168	152,027	18,937	170,964	159,201	165,236	(5,728)	15,068
Laboratories & Joint Institutes	46,269	49,143	54,021	558	54,579	49,143	48,589	(5,990)	(554)
Aeronomy Laboratory (CO)	7,696	8,111	8,680		8,680	8,111	8,058	(622)	(53)
Atlantic Oceanographic & Meteorological Laboratory (FL)	5,373	5,691	6,517	217	6,734	5,691	5,654	(1,080)	(37)
Air Resources Laboratory (MD,CO,ID,NC,NV,TN)	3,191	3,447	3,947		3,947	3,447	3,425	(522)	(22)
Climate Diagnostic Center (CO)	2,377	2,555	2,793		2,793	2,555	2,538	(255)	(17)
Climate Monitoring & Diagnostic Laboratory (CO,HI,AK,AS,SP)	5,540	5,952	6,661	125	6,786	5,952	5,913	(873)	(39)
Environmental Technology Laboratory (CO)	232	243	281		281	243	241	(40)	(2)
Forecast Systems Laboratory (CO)	150	156	176		176	156	155	(21)	(1)
Geophysical Fluid Dynamics Laboratory (NJ)	13,384	14,229	15,338		15,338	14,229	14,137	(1,201)	(92)
Pacific Marine Environmental Laboratory (WA,OR)	8,100	8,523	9,354	216	9,570	8,523	8,468	(1,102)	(55)
Space Environment Center (CO)	226	236	274		274	236	0	(274)	(236)
Climate & Global Change Program	72,235	73,725	73,956	(1,121)	72,835	74,708	74,223	1,388	498
Climate and Global Change Program Base	67,495	69,625	69,856	(1,121)	68,735	68,608	68,162	(573)	(1,463)
Aerosols-Climate Interaction*	0	0	0		0	2,000	1,987	1,987	1,987
Variability beyond ENSO	998	1,000	1,000		1,000	1,000	994	(6)	(6)
Climate Forcing Agents	998	1,000	1,000		1,000	1,000	994	(6)	(6)
Accelerating Climate Models - IRI	2,744	2,100	2,100		2,100	2,100	2,086	(14)	(14)
Climate Observations & Services	10,976	23,550	23,550	18,000	41,550	30,550	39,295	(2,255)	15,745
Climate Reference Network	2,993	3,000	3,000		3,000	3,000	2,981	(19)	(19)
Climate Data & Info (+ CLASS in PAC)	998	1,000	1,000		1,000	1,000	994	(6)	(6)
Baseline Observatories	1,996	2,500	2,500		2,500	2,500	2,484	(16)	(16)
Ocean Observations/Ocean Systems	239	3,500	3,500		3,500	3,500	4,471	971	971
Argo-Related Costs [part of ocean obs./systems]	4,750	7,950	7,950		7,950	7,950	10,879	2,929	2,929
Regional Assessments, Education and Outreach	0	1,750	1,750		1,750	1,750	2,732	982	982
Climate Change Assessments	0	650	650		650	650	646	(4)	(4)
Weather-Climate Connection	0	900	900		900	900	894	(6)	(6)
Carbon Cycle	0	2,300	2,300		2,300	2,300	4,272	1,972	1,972
Climate Modeling Center (GFDL)*	0	0	0		0	4,000	4,968	4,968	4,968
Global Climate Atmospheric Observing System*	0	0	0		0	3,000	3,974	3,974	3,974
Climate Change Research Initiative*	0	0	0	18,000	18,000	0	0	(18,000)	0
Other Partnership Programs	4,241	3,750	500	1,500	2,000	4,800	3,129	1,129	(621)
AIRMAP (Inst. for Study of Earth, Oceans & Space - CCRC)**	1,996	3,000	0		0	in W&AQ	in W&AQ	0	(3,000)
Central CA Ozone Study**	499	250	0		0	500	248	248	(2)
East Tennessee Ozone Study**	0	0	0		0	300	298	298	298
Ice Physics Research (Thayer School of Engineering)	1,247	0	0		0	0	0	0	0
International Pacific Research Center (U of HI)	499	500	500	(500)	0	2,000	596	596	96
SEARCH (Arctic Climate Research Initiative)	0	0	0	2,000	2,000	2,000	1,987	(13)	1,987
Weather & Air Quality Research	44,753	55,462	54,561	4,485	59,046	57,363	56,400	(2,646)	938
Laboratories & Joint Institutes	41,909	43,863	47,689	385	48,074	43,863	41,592	(6,482)	(2,271)
Aeronomy Laboratory (CO)	2,004	2,054	2,145		2,145	2,054	2,041	(104)	(13)
Atlantic Oceanographic & Meteorological Laboratory (FL)	3,803	3,921	4,196		4,196	3,921	3,896	(300)	(25)
Air Resources Laboratory (MD,CO,ID,NC,NV,TN)	1,838	2,077	2,224		2,224	2,077	2,064	(160)	(13)
Climate Monitoring & Diagnostic Laboratory (CO,HI,AK,AS,SP)	165	166	188		188	166	165	(23)	(1)
Environmental Technology Laboratory (CO)	6,505	6,864	7,503		7,503	6,864	6,819	(684)	(45)
Forecast Systems Laboratory (CO)	10,139	10,646	11,701	175	11,876	10,646	10,577	(1,299)	(69)
Geophysical Fluid Dynamics Laboratory (NJ)	2,973	3,077	3,188		3,188	3,077	3,057	(131)	(20)
National Severe Storms Laboratory (OK)	7,228	7,552	8,287		8,287	7,552	7,503	(784)	(49)
Pacific Marine Environmental Laboratory (WA,OR)	259	264	286		286	264	262	(24)	(2)
Space Environment Center (CO)	6,995	7,242	7,971	210	8,181	7,242	5,208	(2,973)	(2,034)
U.S. Weather Research Program (USWRP)	2,495	10,250	3,872	6,100	9,972	4,750	7,754	(2,218)	(2,496)
U.S. Weather Research Program Base	1,497	2,750	2,872	1,000	3,872	2,750	3,780	(92)	1,030
Targeted Wind Sensing	0	0	0		0	2,000	1,987	1,987	1,987
Space-Based Wind Profile Lidar Technology	998	1,000	1,000	(1,000)	0	0	0	0	(1,000)
3-D Ceilometer in HI	0	500	0		0	0	0	0	(500)
Air Quality Forecasting Pilot Program***	0	3,000	0		0	***[3,000]	***[2,980]	0	(3,000)
High-Resolution Temperature Forecasting Pilot Program***	0	3,000	0		0	***[3,000]	***[2,980]	0	(3,000)
Energy Security (CA)	0	0	0		0	0	1,987	1,987	1,987
Energy Security Program Initiative	0	0	0	6,100	6,100	0	0	(6,100)	0
Other Partnership Programs	349	1,349	3,000	(2,000)	1,000	8,750	7,054	6,054	5,705
New England Air Quality Study	0	1,000	0		0	1,750	1,739	1,739	739
STORM (U. of N. Iowa)	349	349	0		0	1,000	347	347	(2)
AIRMAP (Inst. for Study of Earth, Oceans & Space - CCRC)**	0	0	3,000	(3,000)	0	5,000	4,968	4,968	4,968
Central CA Ozone Study**	0	0	0		0	0	in Climate	0	0
Tornado/Severe Storm Research (Phased-Array Radar)	0	0	0	1,000	1,000	1,000	0	(1,000)	0

* Senate provides \$9M of \$18M requested for CCRI but places the funds under existing C&GCP & CO&S priorities (marked by an ***). Conference did the same but with \$18M

** These Air Quality programs properly belong under Partnership Programs in the Weather & Air Quality Subactivity.

*** These add-ons are considered as the base for the new Energy Security Program Line Initiative. Senate & Conference provide '03 funding under the National Weather Service.

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Ocean, Coastal, and Great Lakes Research	120,358	137,632	116,562	(62,410)	54,152	166,321	137,958	83,806	326
Laboratories & Joint Institutes	17,433	19,285	20,927	0	20,927	19,285	19,521	(1,406)	236
Atlantic Oceanographic & Meteorological Laboratory (FL)	2,252	3,219	3,574		3,574	3,219	3,278	(296)	59
Environmental Technology Laboratory (CO)	441	445	476		476	445	442	(34)	(3)
Great Lakes Environmental Research Laboratory (MI)*	7,942	8,232	9,070		9,070	8,232	8,367	(703)	135
Pacific Marine Environmental Laboratory (WA,OR)	6,798	7,389	7,807		7,807	7,389	7,434	(373)	45
National Sea Grant College Program (transfer to NSF)	62,113	62,410	62,410	(62,410)	0	63,410	60,018	60,018	(2,392)
Sea Grant Base	56,126	56,410	56,410	(56,410)	0	57,410	54,056	54,056	(2,354)
Aquatic Nuisance Species/Zebra Mussel Research	2,993	3,000	3,000	(3,000)	0	3,000	2,981	2,981	(19)
Gulf of Mexico Oyster Initiative	998	1,000	1,000	(1,000)	0	1,000	994	994	(6)
Oyster Disease Research	1,996	2,000	2,000	(2,000)	0	2,000	1,987	1,987	(13)
National Undersea Research Program (NURP)	15,766	16,270	13,921	0	13,921	30,770	15,946	2,025	(324)
NURP Base	13,770	13,770	13,921		13,921	13,770	13,462	(459)	(308)
Nat. Inst. for Undersea Science & Technology (U. of MS)	1,996	2,500	0		0	5,000	2,484	2,484	(16)
Aquarius-II	0	0	0		0	12,000	0	0	0
Ocean Exploration	3,992	14,000	14,233	0	14,233	20,000	15,101	868	1,101
Ocean Exploration Base	3,992	14,000	14,233	0	14,233	20,000	13,114	(1,119)	(886)
Nat.Museum of Natural History East Wing (Oceans)	0	0	0		0	0	1,987	1,987	1,987
Other Partnership Programs	21,054	25,667	5,071	0	5,071	32,856	27,372	22,301	1,705
Aquatic Ecosys./Canaan Valley Inst.	4,291	4,300	0		0	0	4,272	4,272	(28)
Arctic Research Initiative	1,646	1,650	1,650		1,650	2,000	1,987	337	337
Cooperative Institute for Arctic Research	0	0	0		0	350	348	348	348
Carolina Coastal Ocean Observing & Prediction System	0	2,800	0		0	0	0	0	(2,800)
Gulf of Maine Council	0	500	0		0	250	248	248	(252)
Hypoxia Research	499	0	0		0	0	0	0	0
Institute for Science Technology and Public Policy	0	0	0		0	1,000	994	994	994
Lake Champlain Canal Barrier Demonstration	100	0	0		0	0	0	0	0
Lake Champlain Study	150	0	0		0	0	0	0	0
Lake Champlain Research Consortium	0	250	0		0	300	248	248	(2)
NH Milfoil Education & Prevention Program	0	275	0		0	0	0	0	(275)
NISA/Alaska	0	0	0		0	1,500	1,490	1,490	1,490
NISA/Ballast Water Demonstrations	848	2,250	0		0	2,250	348	348	(1,902)
NISA/Prevent & Control Invasive Species	798	800	800		800	800	795	(5)	(5)
NOAA Marine Aquaculture Program	2,594	2,594	2,621		2,621	2,606	0	(2,621)	(2,594)
Coastal & Ocean Activities/Aquaculture	2,993	0	0		0	0	0	0	0
Coop. Inst. for New England Mariculture & Fisheries (UNH)	2,395	3,000	0		0	3,000	2,981	2,981	(19)
Pacific Tropical Ornamental Fish	449	450	0		0	500	447	447	(3)
Aquaculture Management Plan--RICRMC	0	1,500	0		0	0	0	0	(1,500)
Aquaculture Education Program--Cedar Point, MS	0	1,000	0		0	2,000	994	994	(6)
Ocean Health Initiative	0	0	0		0	10,000	7,948	7,948	7,948
SE Atlantic Marine Monitoring & Pred. Center (UNC)	998	998	0		0	0	0	0	(998)
Tsunami Hazard Mitigation	3,293	3,300	0		0	6,300	4,272	4,272	972
Information Technology R&D & Science Educ.	15,715	12,800	12,800	0	12,800	12,800	12,717	(83)	(83)
GLOBE	2,993	0	0		0	0	0	0	0
High Performance Computing & Communications (HPCC)	12,722	12,800	12,800		12,800	12,800	12,717	(83)	(83)
Total, NOAA Research - ORF	314,547	356,062	335,950	(38,988)	296,962	395,685	372,311	75,349	16,249
Procurement, Acquis., & Constr. (PAC)									
Research Supercomputing (HPCC/GFDL)	3,991	7,750	7,750	(766)	6,984	6,519	7,501	517	(249)
Comprehensive Large-Array data Stewardship Sys.(CLASS)	1,996	3,600	3,600		3,600	3,600	2,881	(719)	(719)
Norman Consolidation	2,993	8,000	0		0	6,000	5,961	5,961	(2,039)
Barrow Planning & Design	0	0	0		0	1,000	994	994	994
UNH Marine Facilities (Coastal & Ocean Activities)	13,969	0	0		0	0	0	0	0
Stone Laboratory	0	350	0		0	0	0	0	(350)
Total, NOAA Research - PAC	22,949	19,700	11,350	(766)	10,584	17,119	17,337	6,753	(2,363)
GRAND TOTAL, NOAA RESEARCH	337,496	375,762	347,300	(39,754)	307,546	412,804	389,648	82,102	13,886
Other Programs of Interest (outside OAR bgt.)									
Boulder Rent Increase	3,991	4,500	4,500		4,500	4,500	0	(4,500)	(4,500)
NOAA Maintenance, Repairs, & Safety	1,866	3,225	4,135	2,700	6,835	4,000	3,225	(3,610)	0
Marine Services**	58,969	63,829	66,195	7,765	73,960	68,450	63,829	(10,131)	0
AK - N. Pacific & Bering Sea - Ocean Climate Impacts (NMFS)	5,987	6,000	6,000	(6,000)	0	0	0	0	(6,000)
Educational Partnership Pgm. / Minority-Serving Institutions	14,967	15,000	15,000		15,000	15,000	15,000	0	0
Offset for Prior-Year Deobligations (OR&F)	(16,613)	(17,000)	(17,000)		(17,000)	(17,000)	(17,000)	0	0
Offset for Prior-Year Deobligations (PAC)	(7,487)	(3,200)	(3,200)		(3,200)	(3,200)	(3,200)	0	0

* Senate provides '03 GLERL funding in 3 pieces (\$4,940K, \$2,471K, \$821K), presumably tied to its 3 NOAA strategic planning goals.

** '03 Cgr.Req.incr.'s: \$2.5M for UNOLS Charters (FOCI, Vents, Tsunami), \$4.1M FAIRWEATHER ops., \$0.815M addit. Basic Officers Trng. class, & \$0.35M AGATE PASS ops. (replaces FY 03 S. incr.'s: \$0.171M for base, \$4.1M FAIRWEATHER ops., & \$0.35M AGATE PASS ops. (replaces FERREL). Conference provides no increases.